

FIG. 1A

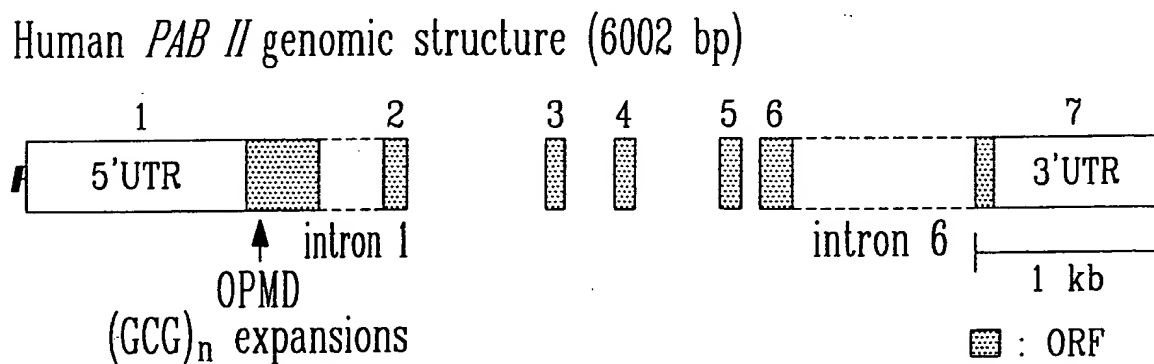
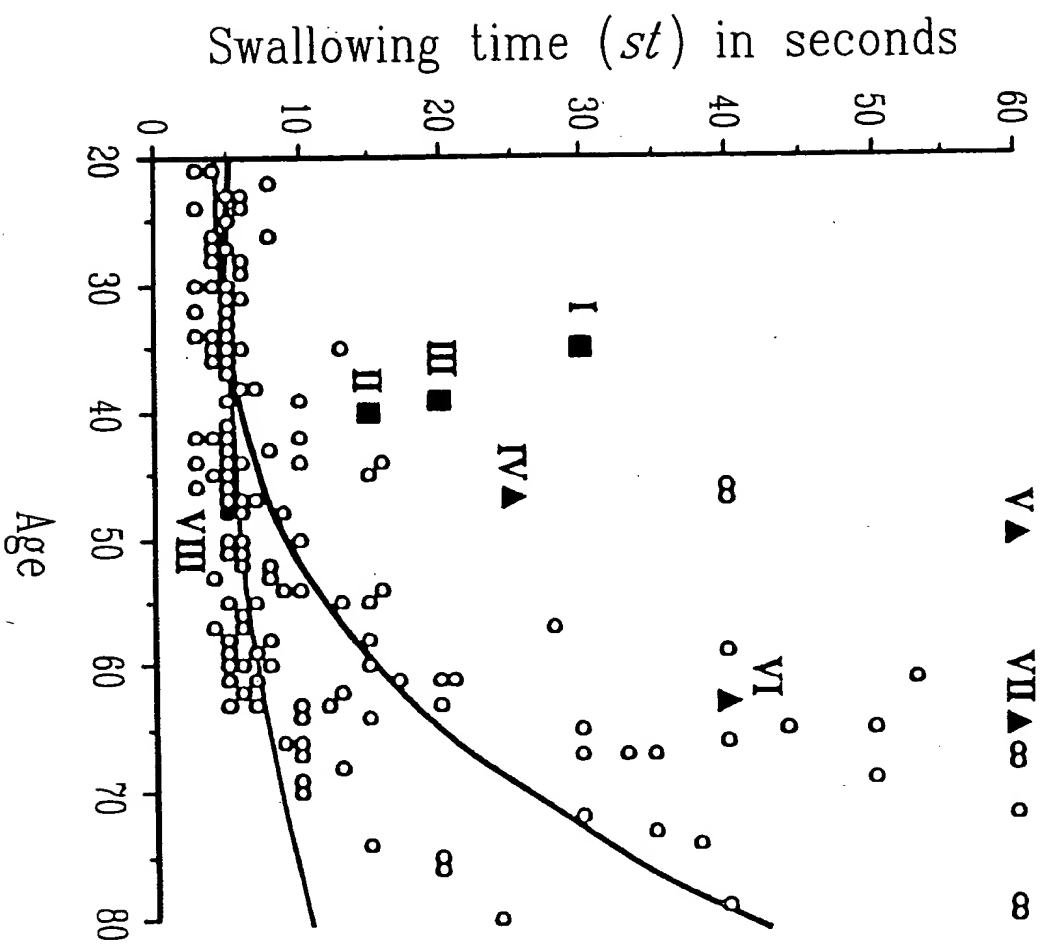


FIG. 1B



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1 aatgaagtg gacaccccaa tagcccaat acaaatgcct gttcaatcaa ccaaatct
61 aagcagcaca tctatgtgt agcatattgc caggccgtga gactgcgaat ataatagga
121 accgcccctc atctgcagc gctcacaacc tagttaagcaa acagtaaac attaagcgc
181 gccgtgga taggccact tgtcctggga aatgaggga agctgggtt tgcagtggt
241 tgattgaag ggactacat gttagaggca cagactgggt gcaggtacac ccaaggaa
301 gaagaagatg gaaggaaa acatccacaa agtaaccaca tgcctggcta tcgaaggccg
361 tgatttacg tttgagact ttaccctgcc agcaaaaggg gccagttcty ttagcgtgc
421 agattgaggg ggtgacattg gaagctgtcc agyaaaagga aatggaact gggagcaga
481 aggcctacgc aagaggcgg gacagacagg acttgtgact agtagctcty gactgagaa
541 tcctccctgc ttctgtgc gggagagcta gtgatgatg gtgccaataa cctgatgg
601 gaaagtgaag tccctcctgg aatgcttcat tcacaaccct cattttcagc aacatcccat
661 ctactgtgc ttctgtgc agatacaagt ttctgaaac tgcctgctcty tttyggcct
721 caccggcca acagctcact agctggcaag cagtagtatac aagatggcgg cccctagga
781 ctggtagtc atgtgacct gggtttccca agtttgaag ccggcagtc tttyggggc
841 aaggttcacc tgtcacgaaa cgagtgtcac cccttcgact ctgcaagcc aatcgcatac
901 tgaagactgg ccaactgcgt gaggcgatcg gaagattggt ccttccagt cgcctagcta
961 ggccaatca cggagcgtcc cataactcgc gggcccgccc gtaggccgg gaggaagcag
1021 aatatcgtca cagcgtggcg gtattattac ctaagactc gataggagt gggacgcgtg
1081 ttgattgaca ggcagatttc cctaccggga ttgagaatt tggcgcagtg cccgccttag
1141 agtgcgctt attgattgc caagtaatat tcccgaatgg agtactagct catggtgacg

FIG. 4A

1201 ggcagggcagc ttgagctaat gagtccctccg ttggccggcgc agctctccac atgccggggcg
1261 gccggcccca gtctgagcgg cgatggcggc ggccggccggcg gccggcagcag cagcggggggc
1321 tgcggggcggc cggggctccg ggccggggcg gccggcccat ctgtgtgccg gggccgggtgg
1381 ggagggccggg gaaggggccc cggggggcgc aggggactac gggaacggcc ttgagcttga
1441 ggaactggag cctgaggagc tggctgtga gcccgagccg gaggccgagc ccgaagagga
1501 gccgccccgg ccccgcgccc ccccgggagc tccgggccct gggccttgtt cgggagcccc
1561 cggcagccaa gaaggaggag aggagccggg actgttcgag ggtgaccccg gggacggcgc
1621 cattgaggac ccggtgagga aggagggcga gccgagcaggc cggcggctgg cgcgtcactg
1681 gagggccaga gctcggggca gccgtggcag gccggggggtg ggttgggcg gggaataacg
1741 tggctggggc ggtcggggc ggggatgggt cagcgatcac taccaagggc ccgactggct
1801 tgatcgggc gtcacgggtg cctagtgtg ttctagagag gtagcttt ctttatcac
1861 gaccctcgca ttggggcggag gaaatggccg agcatggctg aggcgcgctc ttggccgagag
1921 cagggcacag cccctgcgtt gttcctctt aagctgtcct ccataccctc cccacttata
1981 ttaggagctg gaagctatca aagctcgagt cagggaagatg gaggaagaaag ctgagaagct
2041 aaagagcta cagaacgagg tagaagaagca gatgaatatg agtccaccctc caggcaatgc
2101 tgaagtaactg gccgttgcac gcggagcccg ggttctcggg ttggaagggt tgtggggaggg
2161 atggggaatg ttgggttaga tactcggcac cctggagctg cttgtctgag ctattatgac
2221 tgtgccgcgg tcatagtccg ttgtgtgttc ctctgaccct tgtgaggcag aactgatat
2281 ttgtgtgtg tagccttgtg cctcccttg tcctgttata attgtgttg ctttatctt
2341 tagttactgt ctatctttct ttggtagagg ttgcgtgctc gcaattgacc ttcaaatcta

FIG. 4B

2401 atagtttttc ctccaattgg agacgccttta ggaattcctaag agaaagcaag ctggaagggg
2461 ttccccctt aaattctaaga aatgtggagt ctcaagccac ttaatttgc tcaactctaa
2521 aagcatttca accaaagcca ttcatltaggg atttgatttg gagggcagga gggatccta
2581 taactgttta agtgtgtatt aattccttca atttatcgaa ttatttagtg agtaacctgc
2641 tatgcactag gcaactattct cggccttgtg gtacagcagg gaacagcaca gaccaaatc
2701 ttgacctca ctgagccttat gggatagtgc tgggtgtgga agtgcacacat atgttcaag
2761 taagaaaaccaa gtgtgtgtgt ttgttaaaaa attattttt cctgatagct ggcccggtga
2821 tcatgtccat tgaggaagaag atggaagctg atgcccgctc catctatgtt ggaatgtga
2881 cgtactgggg ctctgactgg ggttgggggc aagttcttct tttygggaat tatltaatag
2941 tcctgaagaaga acatctccgg gatagatgtg gttttgggtg tygagggagt gtgggaagga
3001 ggttaaaagt aatggaatga tcagttaatca gcaaaagctc tgggtttgga aggaaagag
3061 attaatccct caaatlaccga gattlcatgt gctttggtgt atgatggccc agaccaaggg
3121 ctcgggaggg ttctttttgag acaggaattt gccctgtgccc tgtgaaatl ttctcctc
3181 atcaggttga ctatgttgca acagcagaag agcttggaagc tcacttlcat ggctgtgtt
3241 cagtcaaccg tgtlaccata ctgtgtgaca aatttagtgg ccatcccaaa ggtaaagtaa
3301 aggggagtaa gttgagataa tttaaatlac agtgtacaaa tagataaat atgtttata
3361 ttgagcagta agttatttgg tgttaacaca ggtgatctgt gtcatttaag atcatggcat
3421 taatgttgat atatcaggag ttgacacctaa atgtcttcag aggcagata acaaaatga
3481 aggcatagat tgggtgggat tacgaactag aaggggaggg gcagcttcta ctggcctat
3541 tatggcatat ggaatttcag gccctgtgtg tcttattttt acaaatlca aagagtagct

FIG. 4C

3601 ggaatttta aatttaaat gatttcgaat gattgaaatt ttccatttag aagaattttg
3661 acaataaaaa aatataactg catgttagcc caaaaacgaag catgacctga gttgaaatt
3721 gacctgtgag gtattgttaa cctcagagag atacaatgac aattccttcc aggtttgcgt
3781 atatagagt ctacagacaaa gagtcaagtga ggacctccct ggcccttagat ggtccctat
3841 ttagaggaag gcaaatcaag gtaagcctat gtccattgct gttcctagttag tgtataaact
3901 ctccaggttg cctttaagc tatcatttgt tcatctctga ctcaagtgat cccaaaacga
3961 accaacagac caggcatcag cacaaacagac cgagggtttc caccagcccg ctaccgcgc
4021 cggaaccacca actacaacag ctcccgcct cgattctaca gtgttttaa cagcagcccc
4081 cggggtcgcg tctacaggtc aggatagatg ggctgtccct cttcccccg cctcccgtag
4141 gccccgtatg ctccctcctc tctgtctga ggaacctccc tccccccacc cctcccgtag
4201 gtcttcagga acttgtctc ctgcctgtgc aggttgagga aggtagttgc aggcagggcc
4261 agaaggcagc ctcatcatct ttctgcagt agaatgtgt gataagggt gcatccctcc
4321 ctgtgttcaa agaggttcc acccccagcc ttttttctc tggagttgg tggcatttga
4381 agtgttttgc ggaacaaact gggaagaaaca gggcctccag gaagttgaaa gcactgcttg
4441 gacatttgtt acttttttcg gagttaggga gggaattgaag actgaaccct ccttggaaga
4501 ataccagagg ctagttagtt gatccctcca acagcccttgt gggaagattt tgagataact
4561 attctttatt tgaagccagtc ttgcaaggtt aacttctcac tgggcctagt gtgtnccca
4621 ggtttttgcc ttgtctcact tctgtctcta catttaataa gacgggttag gcatataaac
4681 ctggtctttt cataagctct acctgacctat ccccgaggt tagggaggt ctattgtga
4741 aggccctaggt gtttaaaaac tgtgagggac tgaaaaactg gatataaagg ggttccttt

FIG. 4D

4801 ccttgcccct gtctctcact cagatgcgct tcttttcgc cactgttttg caaagtttc
4861 tgttaagccc ccctcccccct gcccacgttc tcccaggtgc gttactattt ctggatcat
4921 ggggtcgggt ttagacact tgaacacttc tttccccc ttcccttcac agtaactggg
4981 gcaggggcct acggggaggg gcttgtactg aactatctag tgatcacgtt aacacctaac
5041 tctccttctt tcttcaggg gccgggctag agcgacatca tgytatccc ctactaaaa
101 aaagtgtgtta ttaggaggag agagaggaaa aaaaaggaa agaaaggaaa aaaaagaat
5161 taataaaaaaa aaaaagaaa acagaaagatg accctgatgg aaaaaaata tttttaaaa
5221 aaaagatat ctgtggaag ggggagaatc ccataactaa ctgtgagga gggacctgct
5281 ttggggagta ggggaaggcc cagggaagtgg ggcagggggc tgcttatca ctctgggat
5341 tcgccatgga cacgtctcaa ctgcgcaagc tgcctggcca tgttccctg ccccttcac
5401 ccccttggc ctgctcaagg gtaagtggc gtgggtgtta ggagggttt tttaaccag
5461 ggctctgaa ggaacaccaa ctgttctgct tgttacctc cctccgctc tctcctgcc
5521 ttccacagtc ccctcctgcc tgcctcctgtc cagccaggtc taccaccac cccaccctc
5581 ttctccggc tccctgcccc tccagattgc ctggtgatct atttgttc ctttgtgt
5641 tcttttctg tttgagtg ttttcttgcc aggttctgt agccggaaga tctccgttc
5701 gctcccagcg gctccaagtgt aaattcccc tccccctggg gaaatgcact acctgttt
5761 ggagggttta ggggtgttt tgtttttcag ttggaggga atgggagga gtaggtgga
5821 ttgcccctt ttccctttta ttggaggga atgggagga atgggagga gtaggtgga
5881 ggtgatttt gttatttt tttagctcat tccagggtg ggaatttt tttaatagt
5941 gtcatgaata aagttgttt ttgaaataaa aaaaaaaaaa aaaaaaaaaa
6001 aa

FIG. 4E